

Accepted Manuscript



A review of nanocarbons in energy electrocatalysis: Multifunctional substrates and highly active sites

Cheng Tang , Maria-Magdalena Titirici , Qiang Zhang

PII: S2095-4956(17)30652-6
DOI: [10.1016/j.jechem.2017.08.008](https://doi.org/10.1016/j.jechem.2017.08.008)
Reference: JECHEM 375

To appear in: *Journal of Energy Chemistry*

Received date: 24 July 2017
Revised date: 9 August 2017
Accepted date: 15 August 2017

Please cite this article as: Cheng Tang , Maria-Magdalena Titirici , Qiang Zhang , A review of nanocarbons in energy electrocatalysis: Multifunctional substrates and highly active sites, *Journal of Energy Chemistry* (2017), doi: [10.1016/j.jechem.2017.08.008](https://doi.org/10.1016/j.jechem.2017.08.008)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Review

**A review of nanocarbons in energy electrocatalysis:
Multifunctional substrates and highly active sites**

Cheng Tang^a, Maria-Magdalena Titirici^b, Qiang Zhang^{a,*}

^a *Beijing Key Laboratory of Green Chemical Reaction Engineering and Technology,
Department of Chemical Engineering, Tsinghua University, Beijing 100084, China*

^b *Queen Mary University of London, School of Engineering and Materials Science,
Mile End Road, E1 4NS London, UK*

* Corresponding author. Fax: + 86 10 62772051.

E-mail address: zhang-qiang@mails.tsinghua.edu.cn &
zhangqiangflotu@mail.tsinghua.edu.cn (Q. Zhang).



The roles of nanocarbons and material design principles for energy electrocatalysis are reviewed. The multifunctionalities of nanocarbon substrates and the intrinsic activity of nanocarbon catalysts are summarized.

Download English Version:

<https://daneshyari.com/en/article/6529920>

Download Persian Version:

<https://daneshyari.com/article/6529920>

[Daneshyari.com](https://daneshyari.com)